APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

Explanation of the Toms' Effect of Anisotropy in the Viscosity of a Solution.
By G. F. Kobets
RUSSIAN, per, Prikl. Mekh. i Tekh. Fiz., No. 1, 1969, pp. 107-111.
CIA 7147

Dec 69

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

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NASA TT F-13,009

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Sept 69

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Radiativety and Spectrum Absorption Coefficients of Combustion Products, By IU. A. Plastinin
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NASA TT F-13,011

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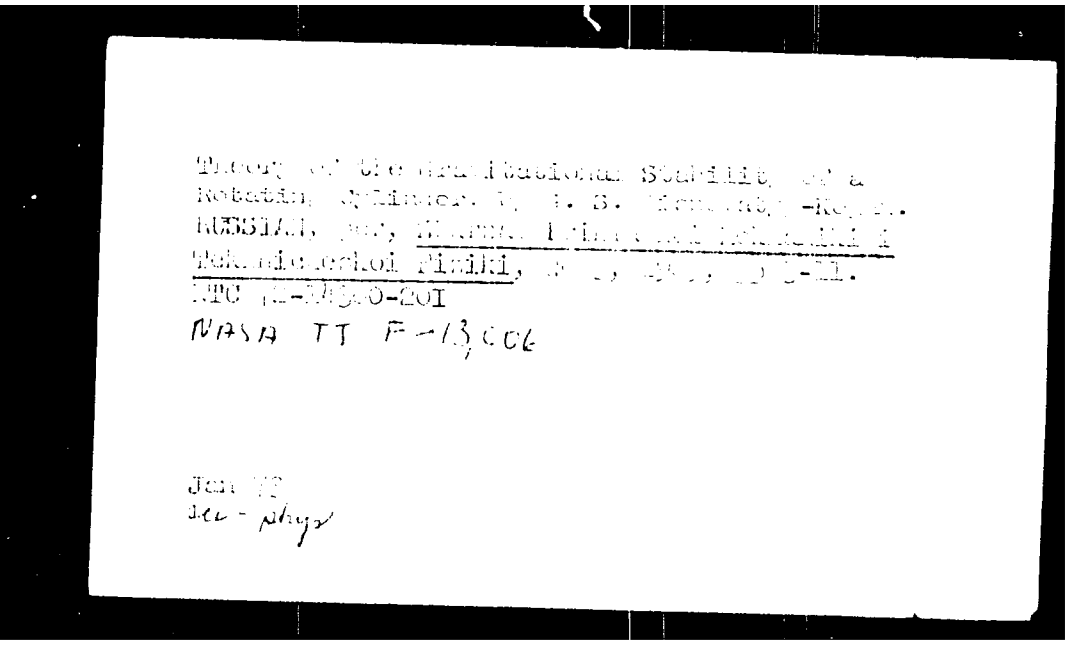

Theory of the Gravitational Stability of a Rotating Spheroid. V. I. S. [illegible] -Kogan. MOSKVA, Izd. Moskovskogo Universiteta i Tekhnicheskoi Fiziki, [illegible].
NTC [illegible]-20I
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By Yu. D. Shmyglevskii
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FTD HT Special 76-70

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FTD HT Special 323-70

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(USSR), per, Zh. Prik. Mekahn. i Takhn Fiz.
No 4, Jul-Aug 1969, pp 32-35.
NASA TT F 12,789

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AIR/FTD/HT-23-51-70

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NASA TT F-12,790

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FTD HT Special 238-70

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Jul 70

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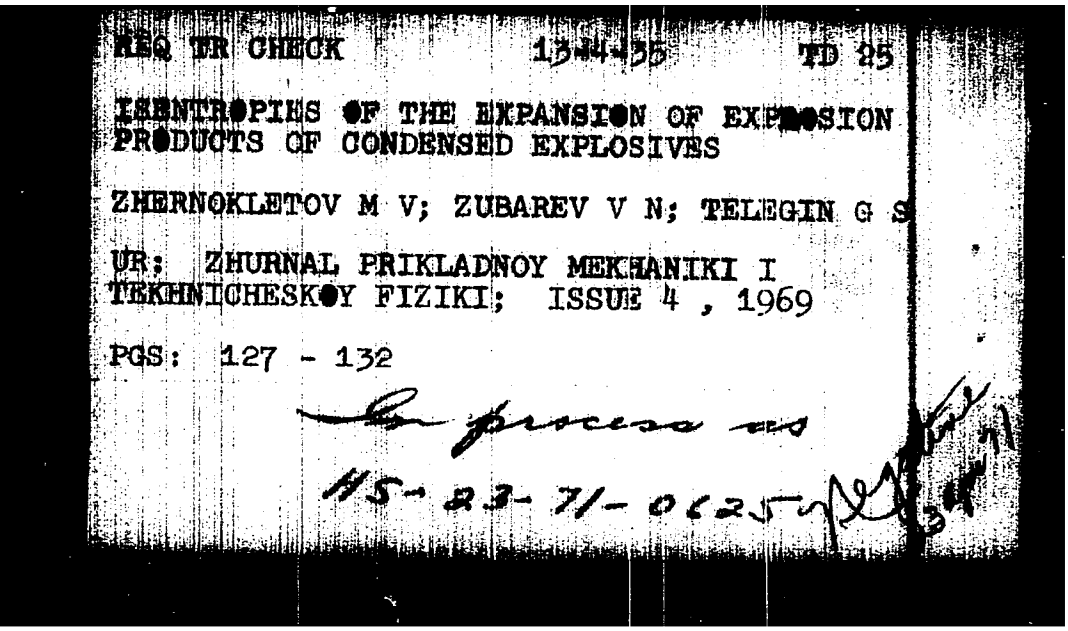

REQ TR CHECK 134435 TD 25

ISENTROPIES OF THE EXPANSION OF EXPLOSION PRODUCTS OF CONDENSED EXPLOSIVES

ZHERNOKLETOV M V; ZUBAREV V N; TELEGIN G S

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI; ISSUE 4 , 1969

PGS: 127 - 132

45-23-71-0025

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

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Dept of Navy APL/JHU T-2417

Sci/Chem
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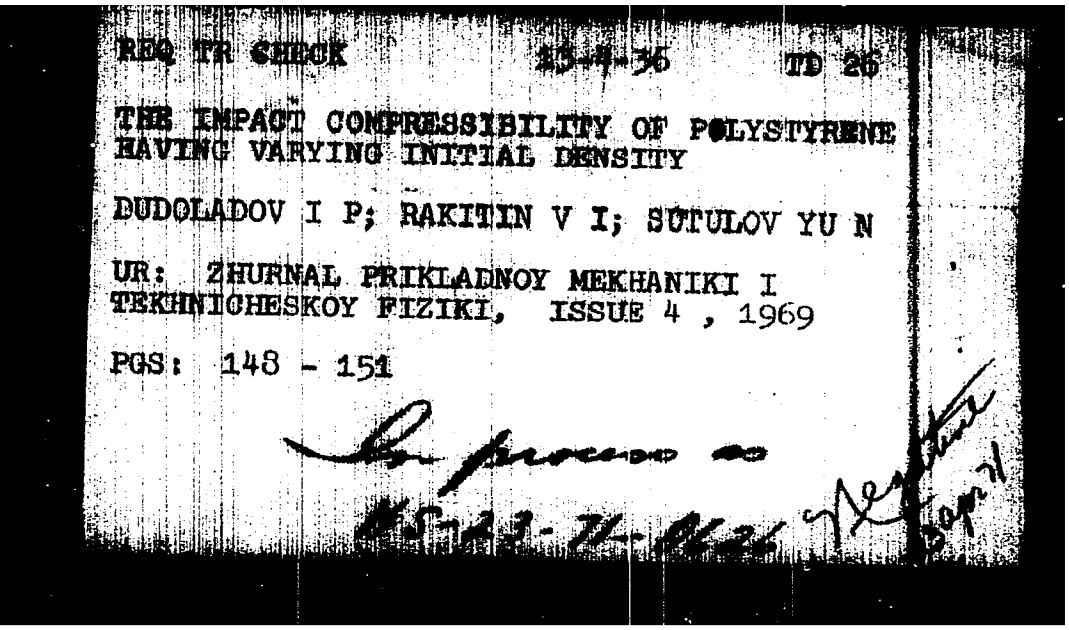

REQ TR CHECK 25-4-36 TD 26

THE IMPACT COMPRESSIBILITY OF POLYSTYRENE HAVING VARYING INITIAL DENSITY

DUDOLADOV I P; RAKITIN V I; SUTULOV YU N

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, ISSUE 4 , 1969

PGS: 148 - 151

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

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*FTD HT Special 113-70

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by L. A. Chudov.
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ACSI J-8345
FSTC-HT-23-1005-70

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June 70

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NASA TT F-13,013

FTD-HS-

Sci-Prop & Fuels
Sep 70

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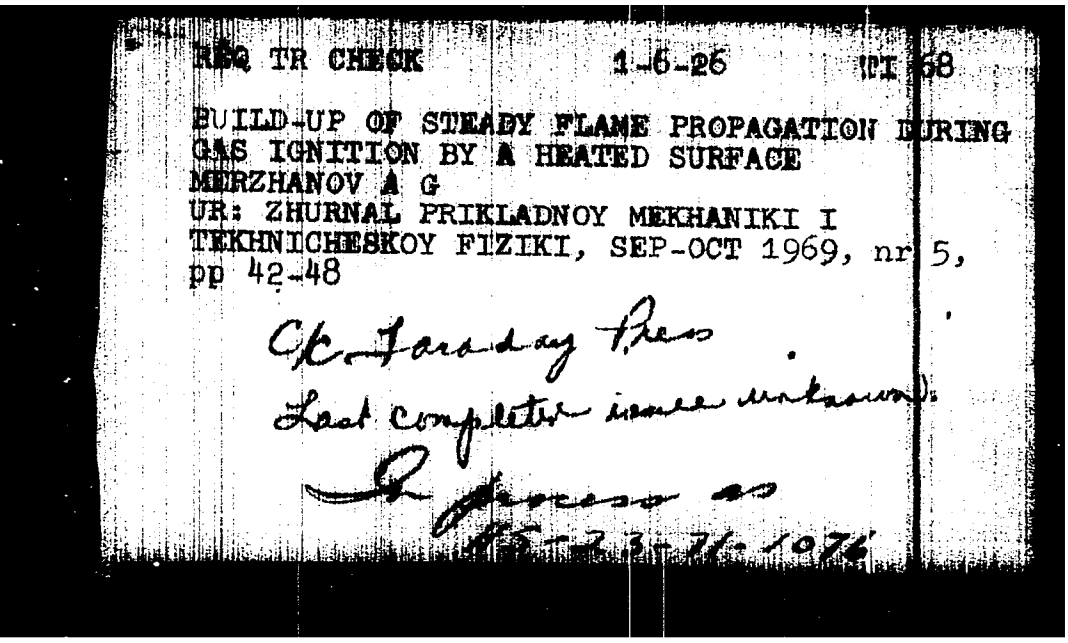

REQ TR CHECK 1-6-26 CI 68

BUILD-UP OF STEADY FLAME PROPAGATION DURING GAS IGNITION BY A HEATED SURFACE
MERZHANOV A G
UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, SEP-OCT 1969, nr 5, pp 42-48

Ck Faraday Press.
Last complete issue received.
Request as
#5-23-7-1974

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

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NASA TT F-13,014

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Oct 70

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APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

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10 pp.
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NASA TT F-13,015

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On Stability of Plates of Composites, by
Yu. V. Nemirovskiy.
RUSSIAN, per, Zh Prik Mekh Tekh Fiz, No 5, 1969,
pp 81-88.
FTD HT Special 213-70

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Jul 70

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

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Shock of a High Velocity Solid on Porous Material, by V. M. Titov.
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*FTD HT Special 113-70

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FTD HT Special 384-70

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Dec 70

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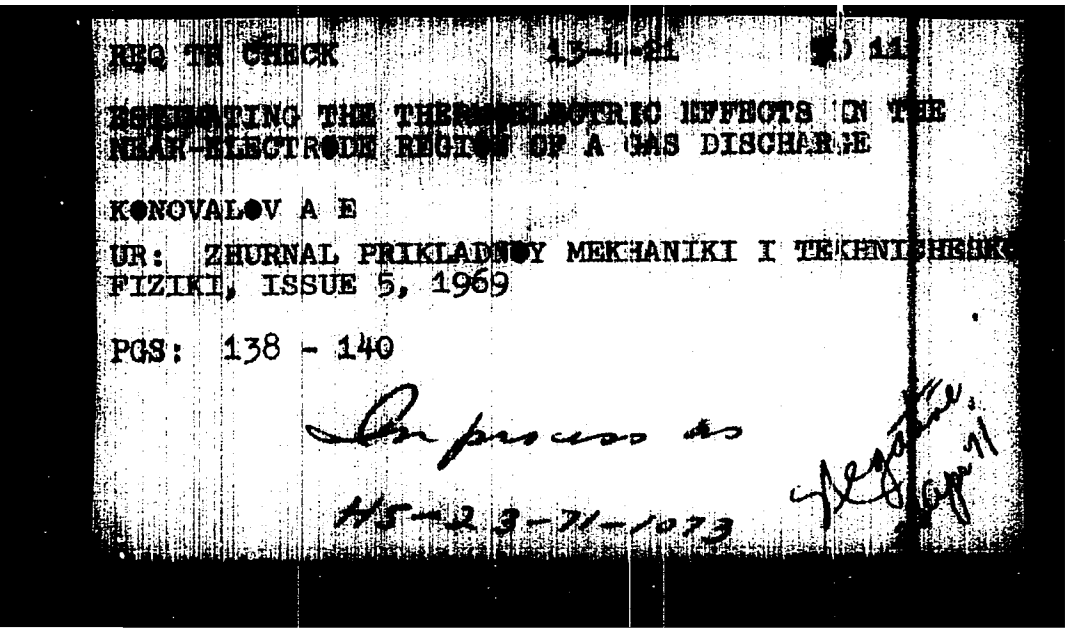

REQ TO CHECK 13-4-21 (1) 11

[illegible] THE THERMOELECTRIC EFFECTS IN THE NEAR-ELECTRODE REGION OF A GAS DISCHARGE

KONOVALOV A E

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, ISSUE 5, 1969

PGS: 138 - 140

Approved as

45-23-71-1073

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

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FTD HT Special 122-70

May 70

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Numerical Calculation of the Motion and Laser Heating of a Plasma Formed During a Burst of Absorption in Vapors of a Solid, by G. G. Vilenskaya, I. V. Nemchinov.
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No 6, 1969, pp 3-19.
Dept of Navy APL/JHU T-2447

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Sci/Phys
Sept 70

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Stability of the Laminar Boundary Layer Over a Deformable Diaphragm Type Surface, by V. V. Skripachev. 10 pp.
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NASA TT F-12,969

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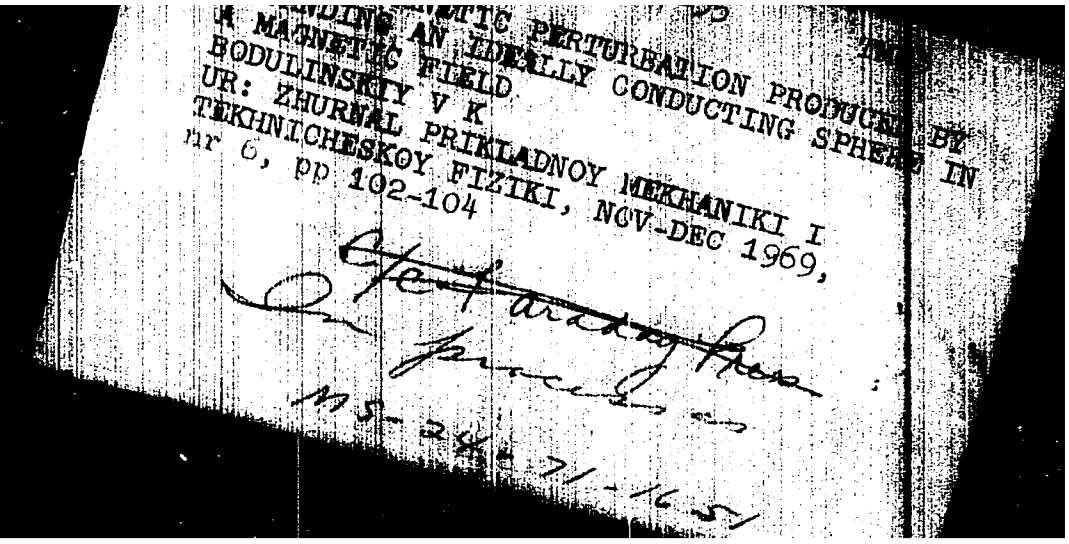

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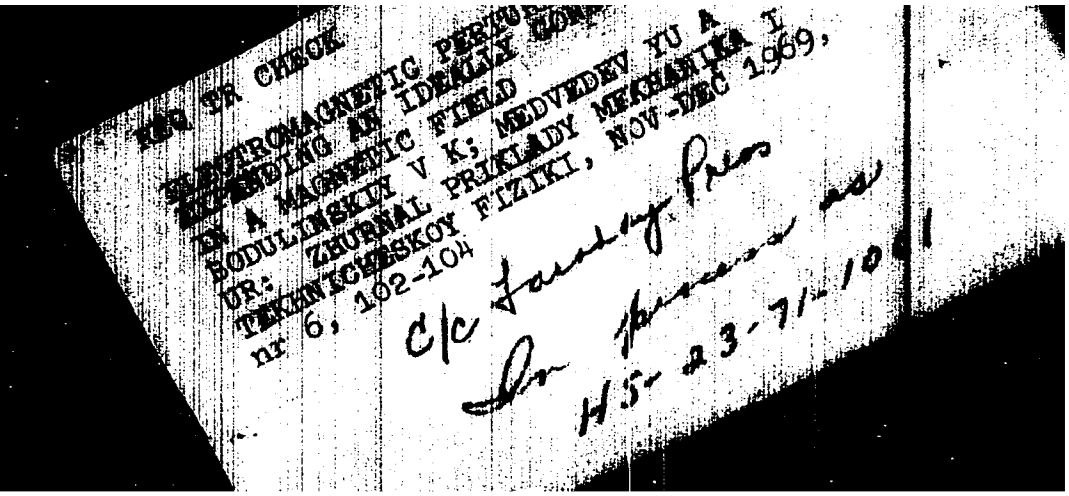

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NASA TT F-12,968

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A. N. Ivanov.
RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i Tekhnicheskoy Fiziki, No 6, 1969, pp 115-119.
FTD HT Special 117-70

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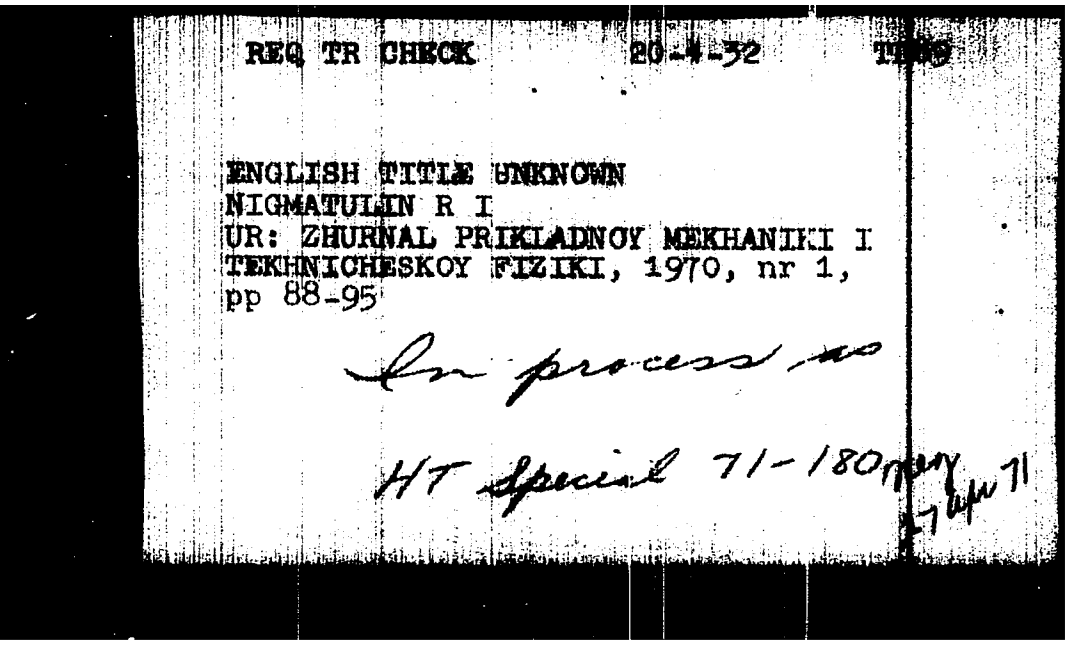

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UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, 1970, nr 1, pp 88-95

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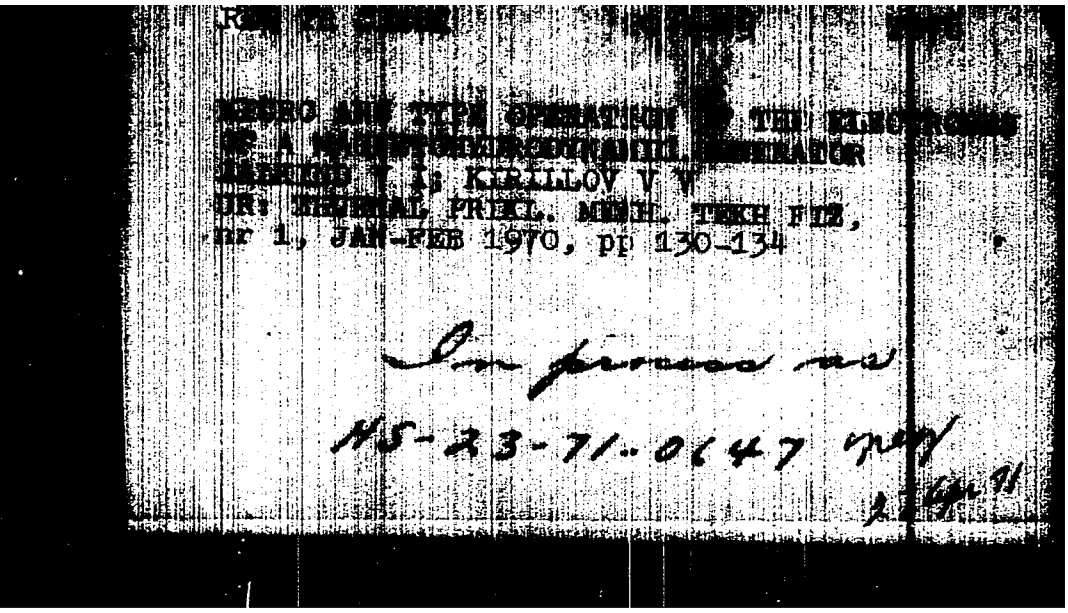

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UR: MEKHAN. PRIKL. MEKH. TEKH F TZ,
Nr 1, JAN-FEB 1970, pp 130-134

45-23-71-0647

APPROVED FOR RELEASE: Thursday, August 15, 2002 CIA-RDP91-00772R000302080058-2

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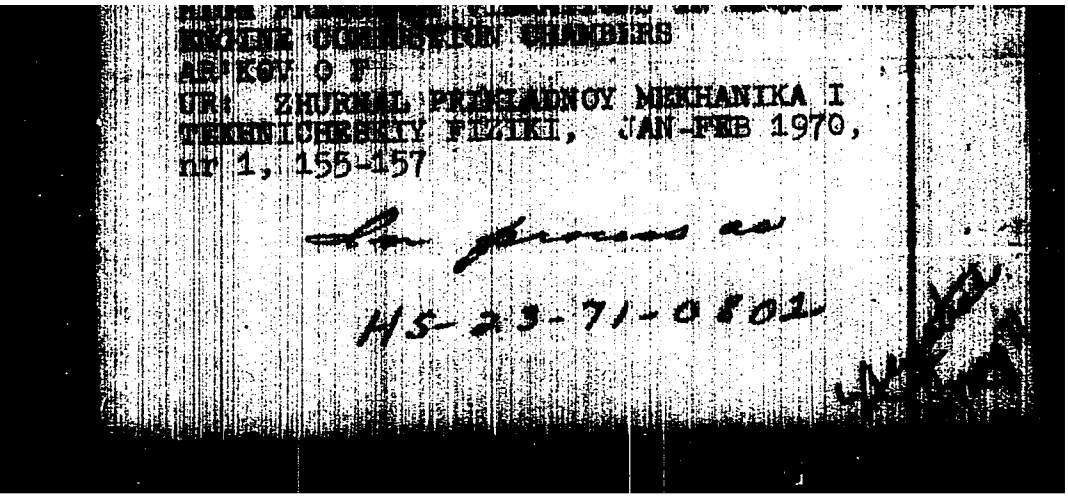

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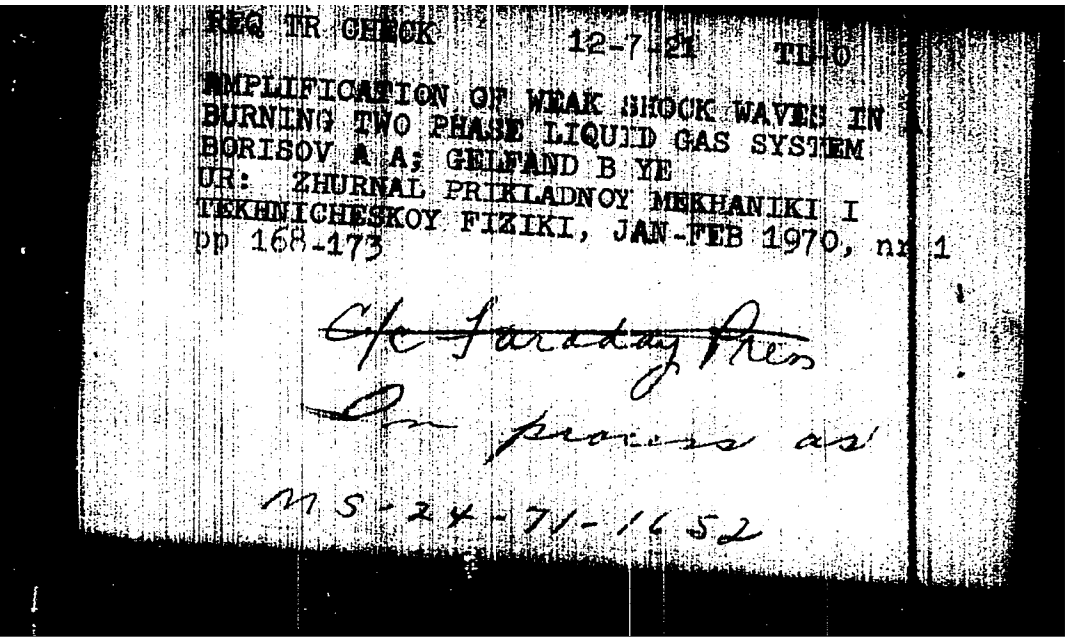

REQ TR CHECK 12-7-21 TL-0

AMPLIFICATION OF WEAK SHOCK WAVES IN A BURNING TWO PHASE LIQUID GAS SYSTEM
BORISOV A A; GELFAND B YE
UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, JAN-FEB 1970, nr 1
pp 168-173

c/c Faraday Press

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MS-24-71-1652

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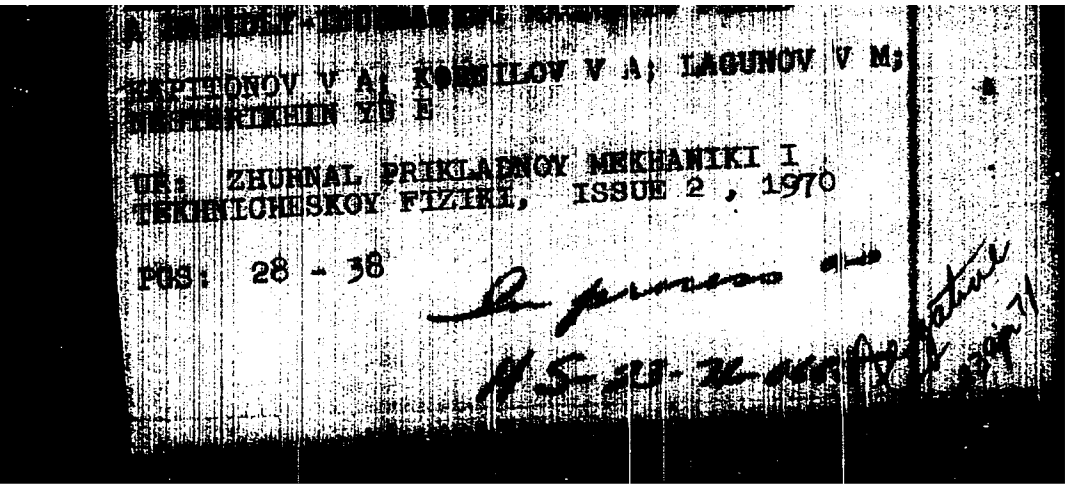

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A. T. Onufriev

Equations for a Semiempirical Theory of Turbulent Transport. 15 pp.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 2, 1970, pp 62-71.
NTC 72-13991-20D
NASA TT F 13,219

Sci/Slumach
Nov 72

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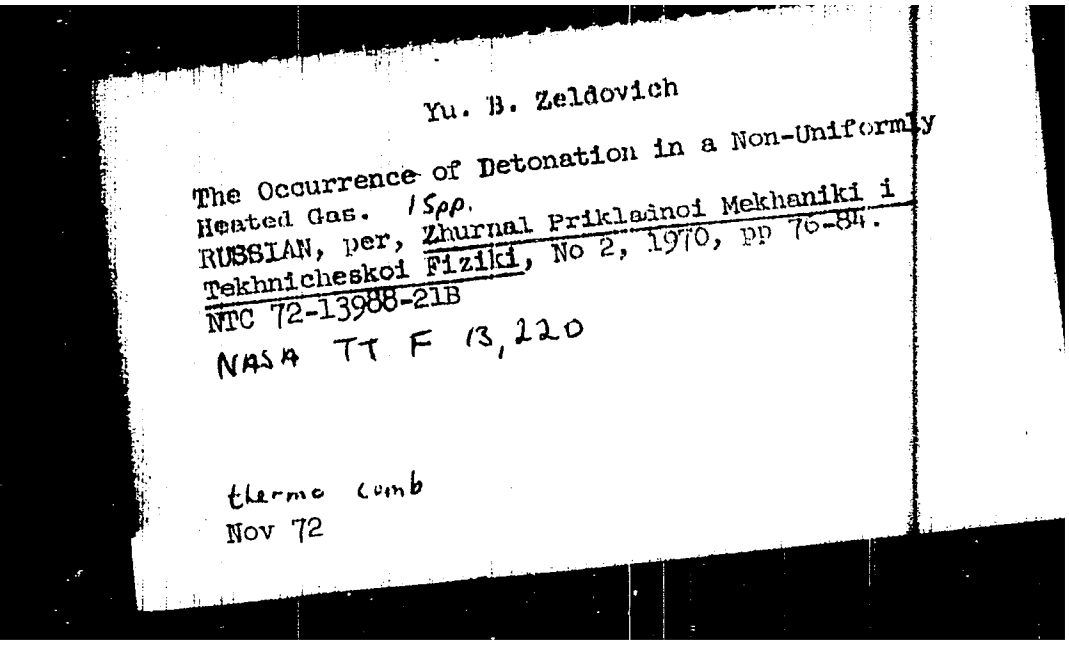

Yu. B. Zeldovich

The Occurrence of Detonation in a Non-Uniformly Heated Gas. 15pp.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 2, 1970, pp 76-84.
NTC 72-13988-21B
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Combustion in Narrow Cavities, by G. P. Choropanov,
9 pp.
RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i
Tekhnicheskoy Fiziki, No 2, 1970, pp 90-95.
ARM/FSTC/HT-23-1002-71

Sept 71

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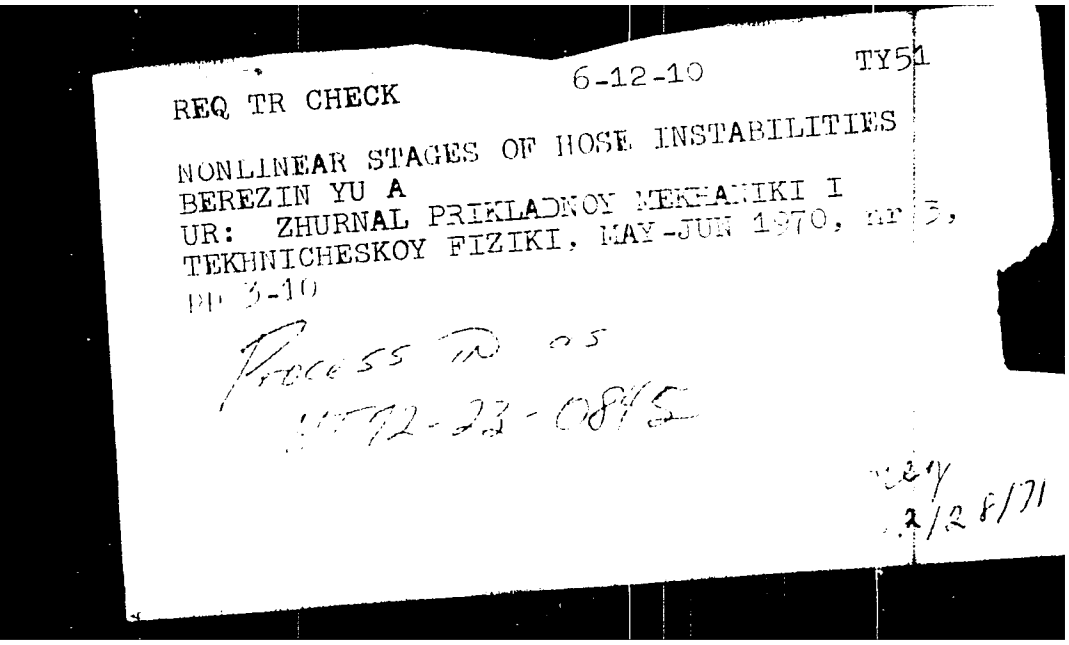

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NONLINEAR STAGES OF HOSE INSTABILITIES
BEREZIN YU A
UR: ZHURNAL PRIKLADNOY MEKHANIKI I
TEKHNICHESKOY FIZIKI, MAY-JUN 1970, NR 3,
PP 3-10

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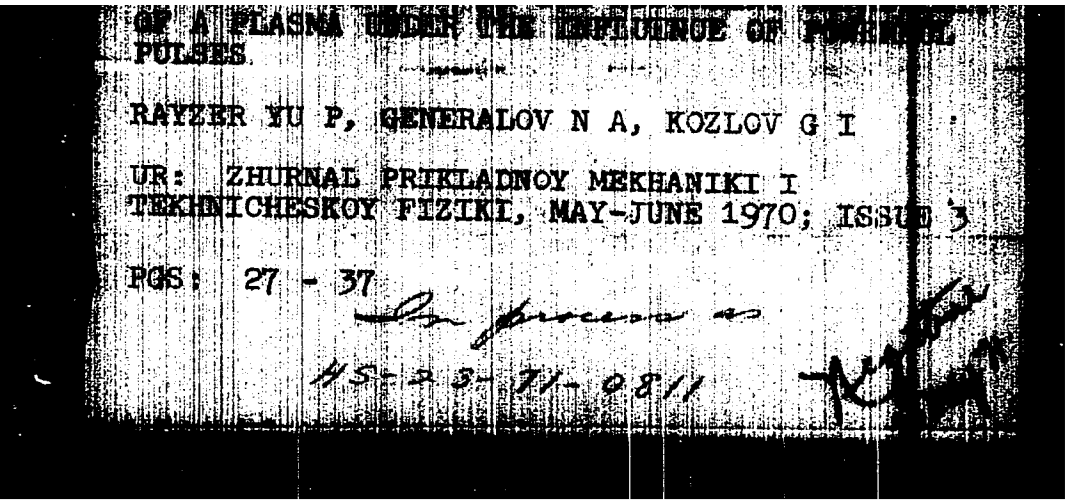

OF A PLASMA UNDER THE INFLUENCE OF POWERFUL PULSES.

RAYZER YU P, GENERALOV N A, KOZLOV G I

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, MAY-JUNE 1970; ISSUE 3

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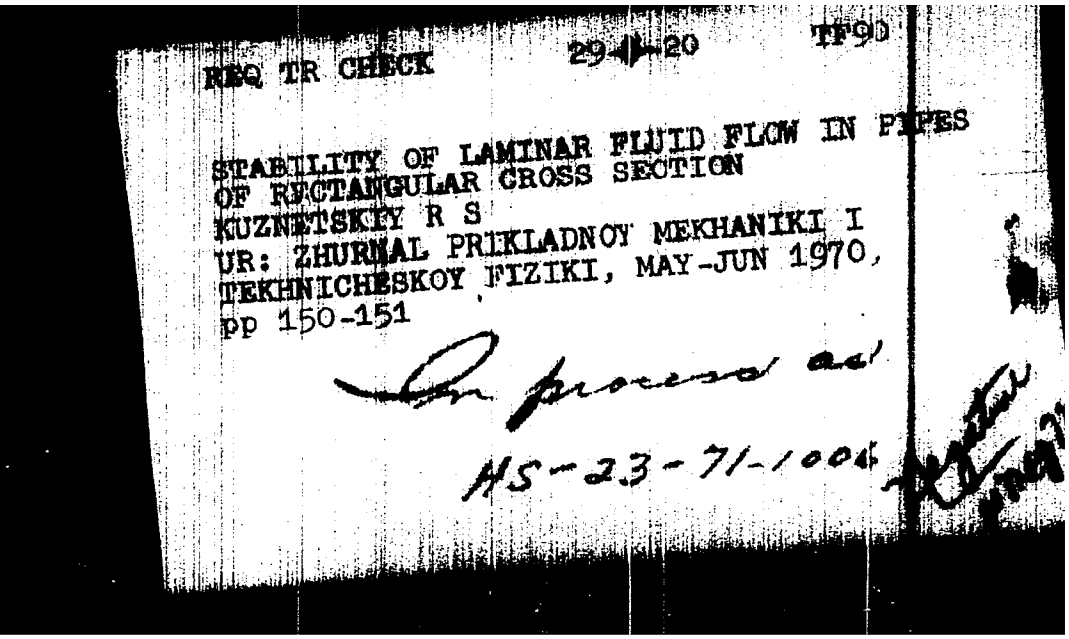

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STABILITY OF LAMINAR FLUID FLOW IN PIPES OF RECTANGULAR CROSS SECTION

KUZNETSKIY R S

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, MAY-JUN 1970, pp 150-151

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The Electrical Field Excited in Air by a Gamma Quanta Pulse, by Yu. A. Medvedev.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 4, 1970, pp 3-8.
NTC-71-11835-20H
FTD-HS-23-71-0801

Nov 71

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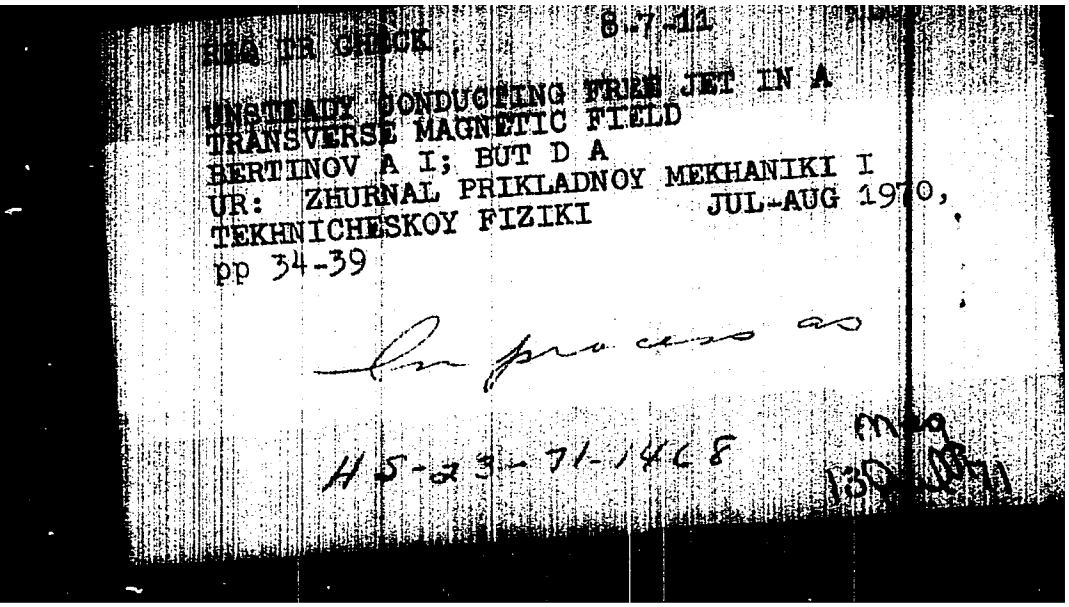

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AUTHOR CHECK

UNSTEADY CONDUCTING FREE JET IN A TRANSVERSE MAGNETIC FIELD

BERTINOV A I; BUT D A

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI JUL-AUG 1970, pp 34-39

In process as

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Kinetic Theory of Gas Mixtures Taking Account of Irreversible Thermodynamics Laws, by A. D. Khonkin.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 4, 1970, pp 44-50.
NTC-71-12344-01A

Nov 71

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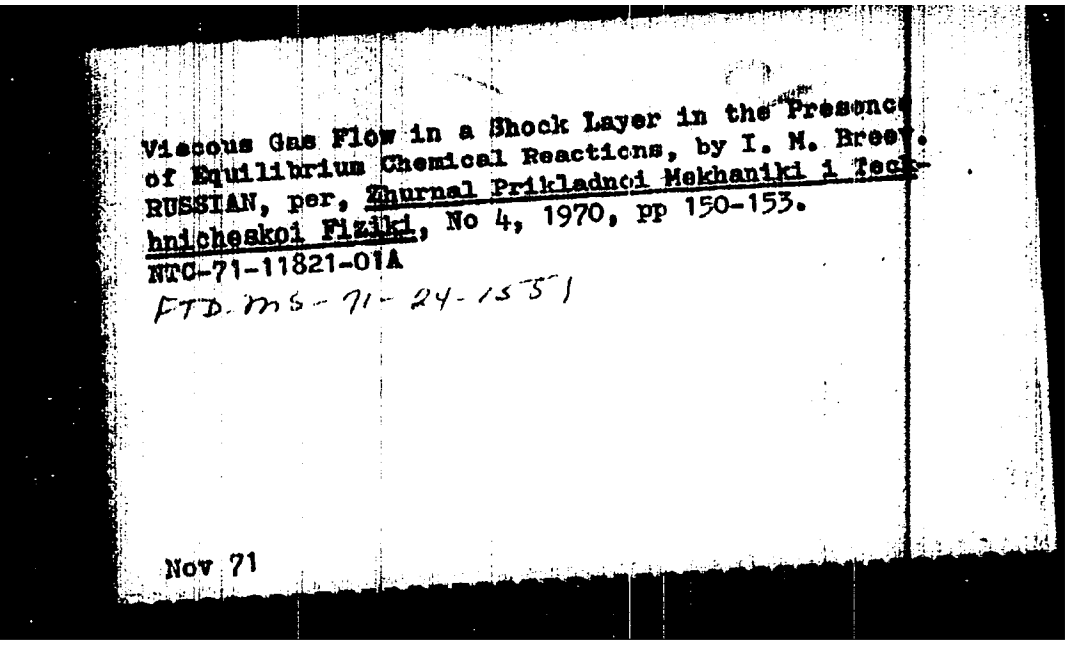

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NTC-71-11821-01A
FTD-MS-71-24-1551

Nov 71

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Aerosol Scattering in the Near-Earth Layer of Atmosphere, by K. P. Kutsenogii.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 4, 1970, pp 180-185
NTC-71-12346-04A
FTD-HS-23-71-1969

Nov 71

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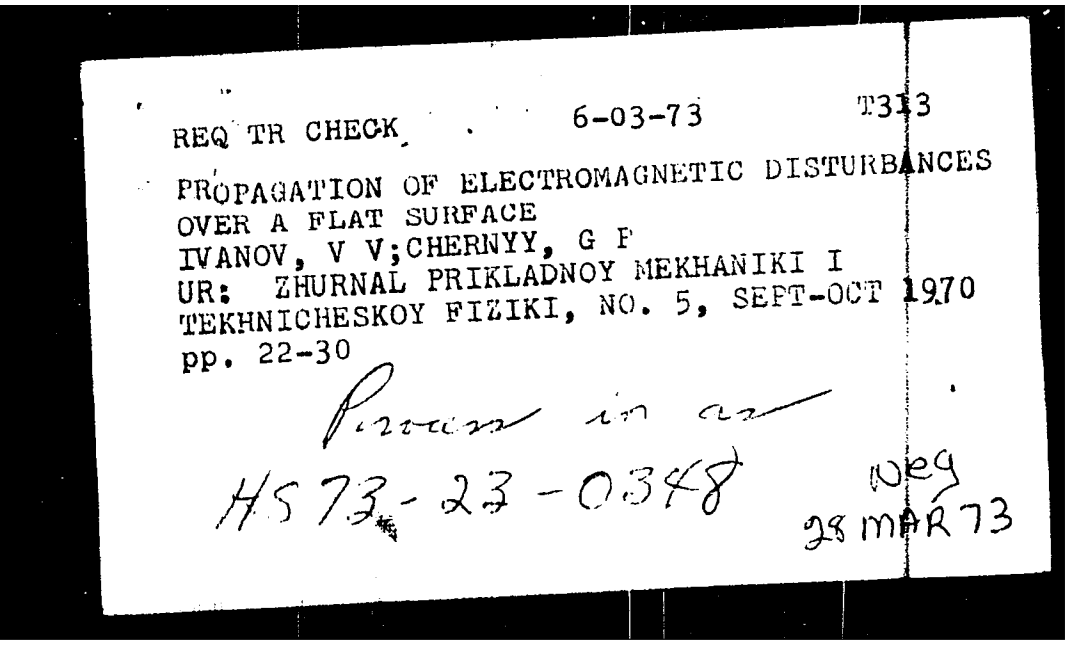

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PROPAGATION OF ELECTROMAGNETIC DISTURBANCES OVER A FLAT SURFACE
IVANOV, V V;CHERNYY, G F
UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, NO. 5, SEPT-OCT 1970
pp. 22-30

Russian in ca

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Deformation of Drops in the Reactive Zone During Heterogenous Detonation, by A. A. Borisov.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 5, 1970, pp 39-44.
NTC 72-11145-21B
Nasa TT F 15579 11pp

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Structure of Supersonic Stream of Argon Helium Mixture in a Vacuum, by A. A. Bochkarve.
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NTC 72-10897-20D

May 72

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THEORY FOR NONSTEADY COMBUSTION OF POWDER COMBUSTION UNDER HARMONICALLY VARYING PRESSURE

GOSTINTSEV, YU A;SUKHANOV, L A; POKHIL, P F

UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, NO 5, SEPT-OCT 1971; pp. 60-69

Foreign in nature

HS73-23-0342

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by A. T. Onufriev.
RUSSIAN, per, Zhurnal Prikladnoi
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No 5, 1970, pp 68-72.
NTC 72-10899-20D
Nasa TT F #13580 9pp

May 72

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RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Technicheskoi Fiziki, no. 5, 1970, pp. 73-77
NTC 71-12930-20D
Nasa TT-F- 13581 10 pp
NTC 72-11140-20D

July 71

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RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 5, 1970, pp 78-85.
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NTC 71-12928-20A
Nasa TT F 13582 15 pp

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Structure of the Supersonic Jet of an Argonhelium Mixuure in a Vacuum, by A.A. Bochkarev.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, no. 5, 1970, pp. 158-163.
NTC 71-12929-20I
NASA TT-F-13583 1.2 ff

July 71

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I. M. Rutkevich

A Two-Dimensional Problem in the Electrodynamics of Stationary (or Steady-Flow) Currents in a Nonlinearly Conductive Medium.

RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 6, 1970, pp 49-53.
NTC 72-13594-20C
NASA TT F 13,540

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The Influences of Shock Compression Pressure on Critical Shear Stress in Metals, by S. A. Novikov, 7 pp. RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i Tekhnicheskoy Fiziki, No 6, 1970, pp 107-110.
AFM/FSTC/HT-23-1060-72

Aug 72

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Compression of the Magnetic Field in a Collapsing Spherical Cavity by
V. K. Bodulinskiy. 6 pp.
RUSSIAN, per, Zh. Prikl. Mekh. Tekh. Fiz.,
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NASA TT F 13,591

Feb 72

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Ionisation Relaxation Behind Shock Waves in Nitrogen at Velocities of 17-25 Kilometers Per Second, by M. B. Zheleznyak. 11 pp.
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NASA TT F 13592
NTC 72-10478-20.5

Oct 71

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METHOD OF CALCULATING A RADIATION FLUX AND ITS DIVERGENCE IN REGIONS WITH A STEP-WISE TEMPERATURE AND COMPOSITION DISTRIBUTION

OVSYANNIKOV, V.M., TIRSKIY, G.A.

UR-ZHURNAL PRIKLADNOI MEKHANIKI I TEKHNICHESKOI FIZIKI, Mar-Apr 1971, pp 54-62

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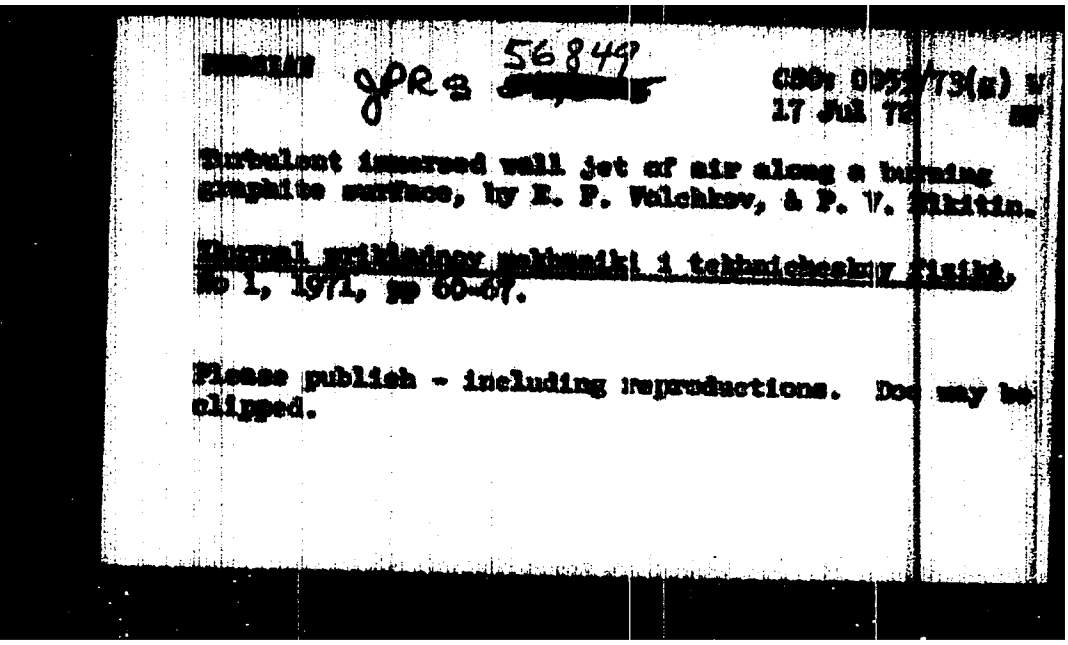

JPRS 56849

CSO: 0352/73(a) 17 Jul 72

Turbulent immersed wall jet of air along a burning graphite surface, by E. P. Volchkov, & P. V. Zhilkin.

Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, No 1, 1971, pp 60-67.

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Description of Chemically Equilibrium Flows of Multicomponent Ionized Mixtures Within the Framework of the Navier-Stokes and Pradtl Equations, by O. N. Suslov, G. A. Tirskiy, 24 pp.
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JPRS 57017

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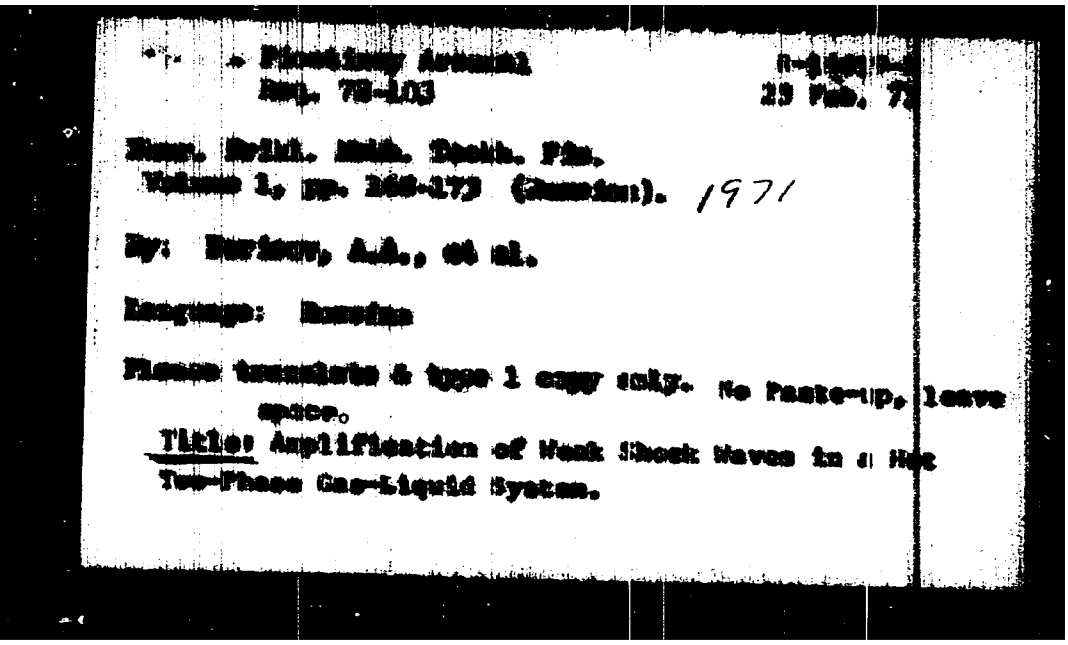

[redacted] Physicsing Arsenal
Rep. 78-103 [redacted]
29 Feb. 72

[redacted]. Engl. Mech. Synth. Pls.
Volume 1, pp. 268-173 (Russian). 1971

By: [redacted], A.A., et al.

Language: Russian

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Title: Amplification of Weak Shock Waves in a Hot Two-Phase Gas-Liquid System.

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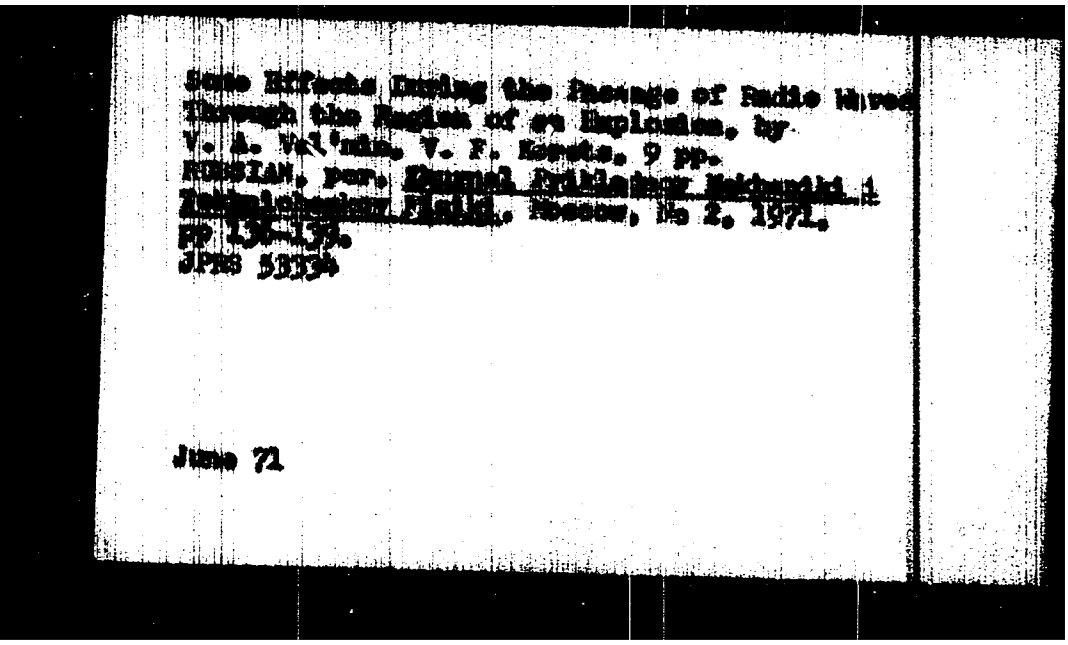

Some Effects During the Passage of Radio Waves Through the Region of an Explosion, by V. A. Vel'min, V. F. Kovalo, 9 pp. RUSSIAN, pam. Zemnoy Fizika [illegible] Zemnoy Fiziki, Moscow, No 2, 1971, pp 130-135. JPRS 55334

June 72

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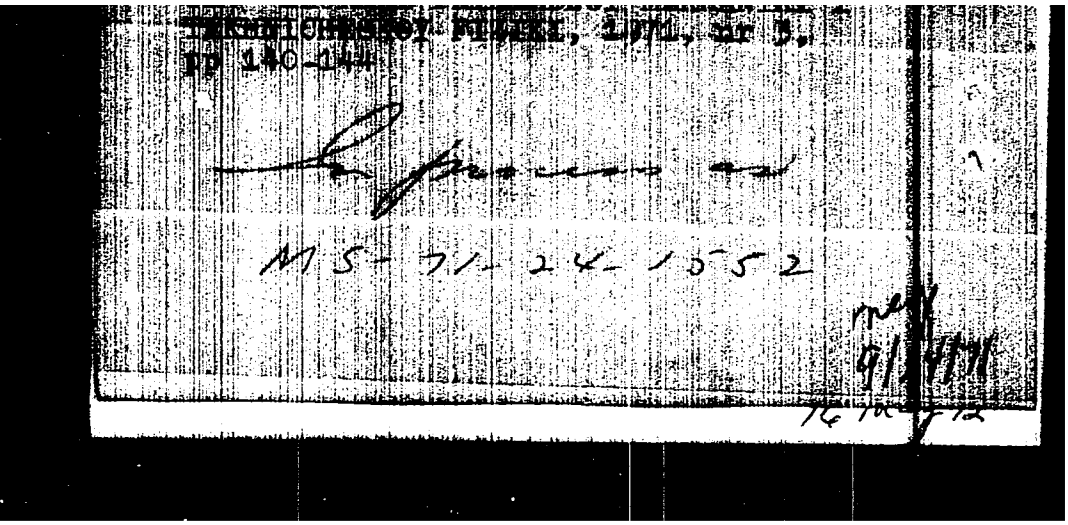

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A Turbulent Immersed Wall Jet of Air on a Burning Graphite Surface, by E. P. Volchkov, P. V. Nikitin, 11 pp.
RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i Tekhnicheskoy Fiziki, Moscow, No 1, 1971, pp 60-67.
JPRS 56849

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B. N. Semenov

Interaction of an elastic boundary with the viscous sublayer of a turbulent boundary layer. 9 pp.
RUSSIAN, Zh. Prik. Mekhan. i Tekhn. Fiz, No 3, May-Jun 1971, pp 58-62
NASA TT F 14,391

oct 72

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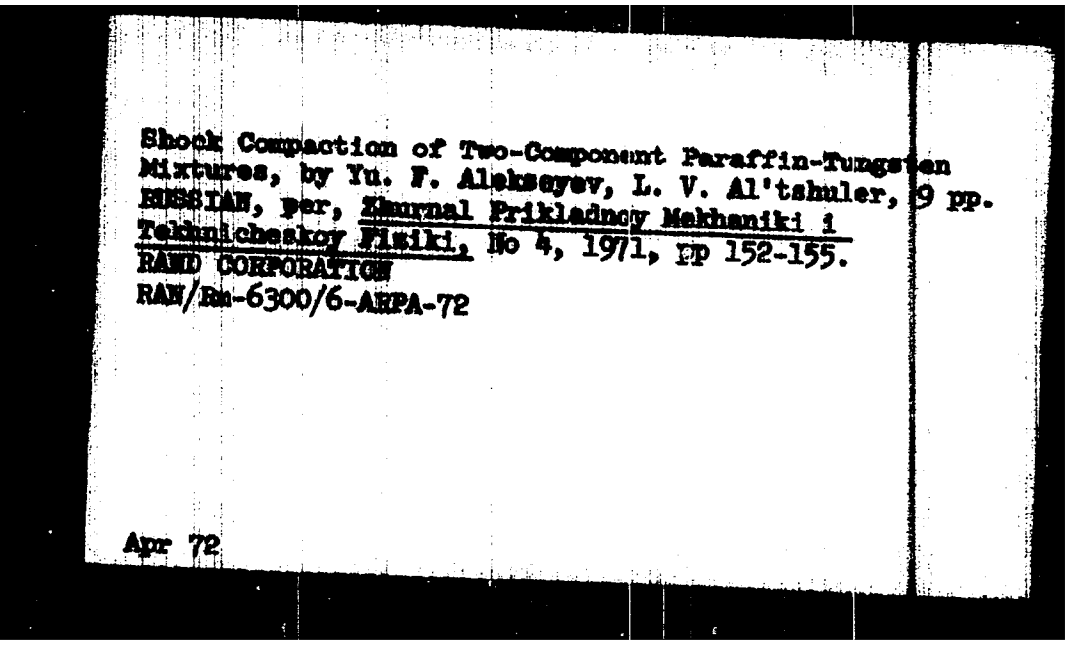

Shock Compaction of Two-Component Paraffin-Tungsten Mixtures, by Yu. F. Alekseyev, L. V. Al'tshuler, 9 pp. RUSSIAN, per, Zhurnal Prikladnoy Mekhaniki i Tekhnicheskoy Fiziki, No 4, 1971, pp 152-155.
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RAN/Rm-6300/6-ARPA-72

Apr 72

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N. A. Generalov

On the Population Inversion of CO_2 Molecules in Expanding Gas Flows.
RUSSIAN, per. Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 5, 1971, pp 24-34.
NTC 72-12747-20I

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I. V. Nemchinov

Screening of a Surface Evaporating Under the Effect pf Laser Radiation, With Temperature and Ionization Nonequilibrium.
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NTC 72-12748-20E

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B/ N. Semenov

Interaction of an elastic boundary with the viscous sublayer of a turbulent boundary layer.
RUSSIAN, per. Zhurnal prikladnoi mekhaniki i tekhnicheskoy fiziki, May-June 1971, pp 58-62
NASA TT F 14,391

july 72

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B. M. KOVALCHUK

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ZHURNAL PRIKL MEKH TEKHN FIZ, No 6, 1971, pp 21-29.
GB/DEFDRIC-Tr-2857-71

Mar 73

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I. G. Assovskii

On Necessary Conditions for a Step Change in the Velocity of Combustion of Condensed Systems. RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 6, 1971, pp 57-64.
NTC 72-13503-21B

Nov 72

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Yu. A. Gostintsev

On the Theory of Nonstationary Powder Combustion. Stability of the Processes in a Semi-Infinite Volume.

RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 6, 1971, pp 65-73.

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V. N. Vilyunov

On the Question of the Stability of Powder Combustion in a Semi-Infinite Volume.
RUSSIAN, per, Zhurnal Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 6, 1971, pp 74-79.
NTC 72-13711-21B

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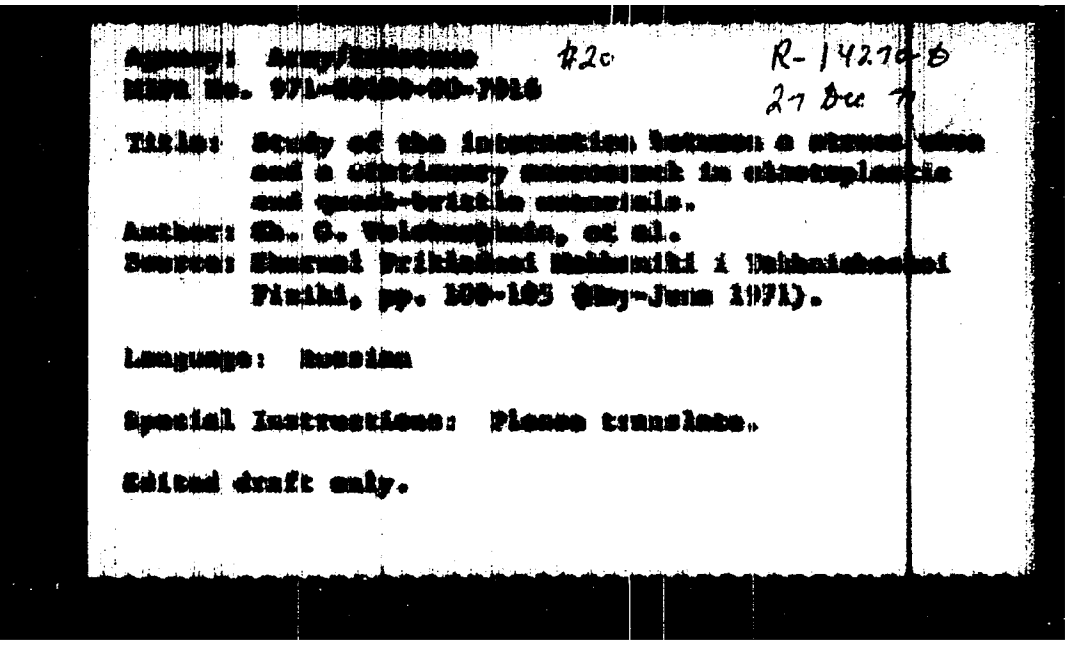

Agency: Army/Medicine #20 R-14270-D
Report No. 97L-[illegible]-GD-7016 27 Dec 71

Title: Study of the interaction between a steroid [illegible] and a cytotoxic preparation in chronic [illegible] and quasi-brittle [illegible].

Author: Ch. G. Vaichenghaden, et al.

Source: Sbornik Prikladnoi Makhanikhi i Matematicheskoi Fiziki, pp. 100-103 (May-June 1971).

Language: Russian

Special Instructions: Please translate.

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INFLUENCE OF HEAVY IMPURITIES OF DETONATION MODE OF CONDENSED EXPLOSIVES
ALTSHULER, L.V.; SPERANSKAYA, M.P.; RYAZANOV, V.T.
UR: ZHURNAL PRIKLADNOY MEKHANIKI I TEKHNICHESKOY FIZIKI, NO. 1, 1972, pp. 122-125

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Theory of Propagation of Ultrasonic Waves in Polycrystals, by A. A. Usov.
RUSSIAN, per, Zh Prikladnoi Mekhaniki i Tekhnicheskoi Fiziki, No 2, 1972, pp 66-73.
NAVY/APL/JHU-T-2673

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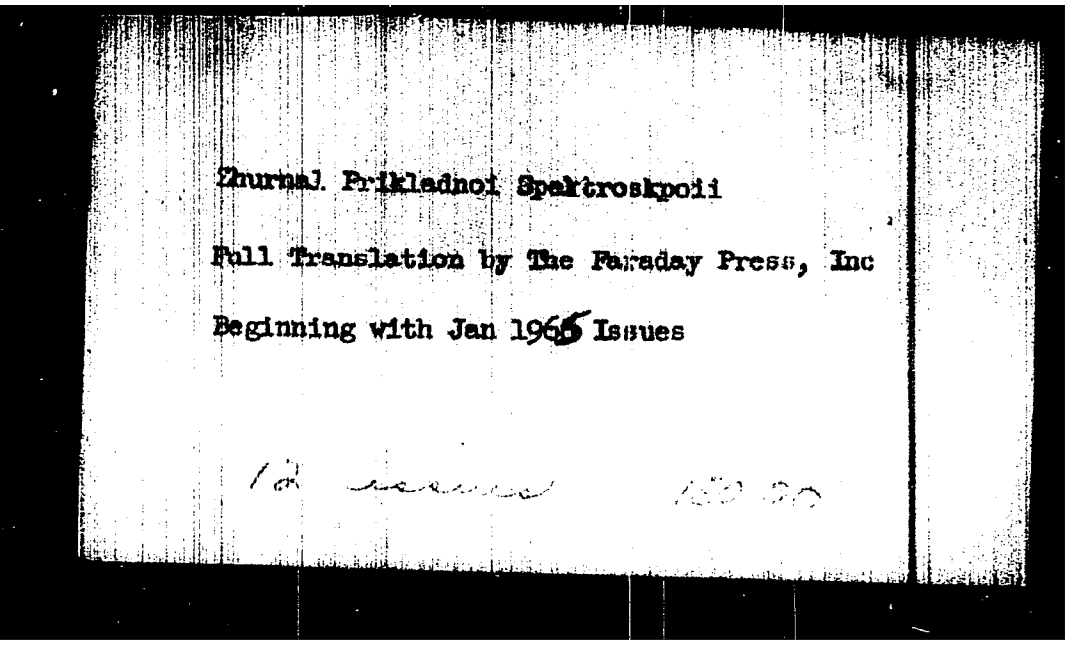

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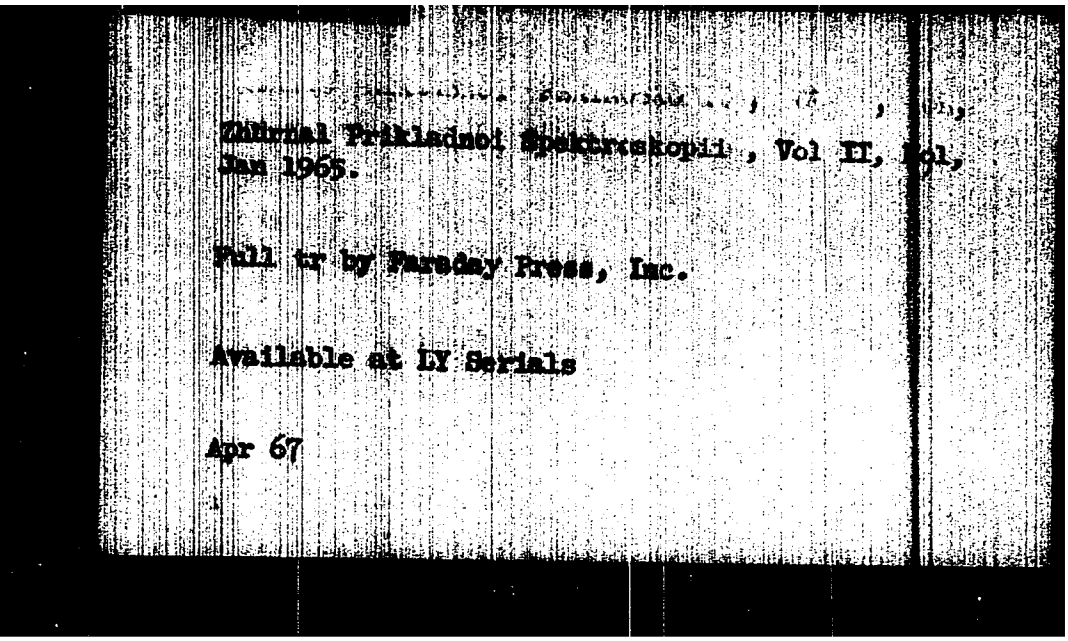

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